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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/902,560	07/10/2001	Anders Hejlsberg	MSI-864US	6096
22801	7590	01/24/2005	EXAMINER	
LEE & HAYES PLLC 421 W RIVERSIDE AVENUE SUITE 500 SPOKANE, WA 99201			ABEL JALIL, NEVEEN	
			ART UNIT	PAPER NUMBER
			2165	

DATE MAILED: 01/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

Application No.

09/902,560

Examiner

Neveen Abel-Jalil

Applicant(s)

HEJLSBERG ET AL.

Art Unit

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/7/04.
2. ☒ The allowed claim(s) is/are 1-31.
3. ☒ The drawings filed on 10 July 2001 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 11/2/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

*C. Rones*  
**CHARLES RONES  
PRIMARY EXAMINER**

## DETAILED ACTION

### Remarks

1. The amendment filed on June 7, 2004 has been received and entered. Claims 1-31 are pending.

### *Information Disclosure Statement*

2. The information disclosure statement (IDS) submitted on November 2, 2004 was filed before the mailing date of the notice of allowance on November 3, 2004. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Therefore, this is a *Supplemental copy of the allowance to acknowledge the IDS filed on November 2, 2004.*

### *Reasons for Allowance*

3. Claims 1-31 are allowed over the prior art made of record.

4. The following is a statement of reasons for allowance:

The prior art of record (Balabine et al. -U.S. Patent No. 6,442,548 B1-and- Sarkar -U.S. Patent No. 6,418,448 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), a first namespace related to data shared by a plurality of data providers; a second namespace related to data used in an object-oriented database; a third namespace related to data used by an SQL client; and a

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fourth namespace related to native data types within an SQL server, as claimed in claim

1.

Claims 2-21 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 1.

The prior art of record (Balabine et al. -U.S. Patent No. 6,442,548 B1-and- Sarkar -U.S. Patent No. 6,418,448 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), creating a common namespace related to data shared by plurality of data providers; creating an object-oriented namespace; creating an SQL client namespace related to data used by SQL clients; and creating an SQL type namespace related to native data types in SQL server, as claimed in claim 22.

Claims 23-25 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 22.

The prior art of record (Balabine et al. -U.S. Patent No. 6,442,548 B1-and- Sarkar -U.S. Patent No. 6,418,448 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), a first group of services related to shared data among plurality of data provides; a second group of services related to utilizing data stored in an object-oriented database; a third group of services related to date used by a database client; and fourth group of services related to data types used by database server, as claimed in claim 26.

The prior art of record (Balabine et al. -U.S. Patent No. 6,442,548 B1-and- Sarkar -U.S. Patent No. 6,418,448 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), first functions to facilitate data sharing; a second group of services related to utilizing data stored in an object-oriented database; a third group of services related to data used by a database client; and fourth group of services related to data types used by database server, as claimed in claim 27.

The prior art of record (Balabine et al. -U.S. Patent No. 6,442,548 B1-and- Sarkar -U.S. Patent No. 6,418,448 B1) do not disclose, teach, or suggest the claimed limitations of (in combination with all other features in the claim), calling one or more first functions to facilitate sharing of data among multiple data providers; calling one or more second functions to facilitate accessing object-oriented databases; calling one or more third functions to facilitate SQL client operations, and SQL server; calling one or more fourth functions to facilitate server operations, as claimed in claim 28.

Claims 29-31 are allowed over the prior art made of record, because they are dependent from the allowed independent claim 28.

### ***Conclusion***


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 571-272-4074. The examiner can normally be reached on 8:30AM-5:30PM EST.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dov Popovici can be reached on 571-272-4038. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Neveen Abel-Jalil  
January 14, 2005

  
**CHARLES RONES**  
**PRIMARY EXAMINER**